



BiodosEPR-2006

2nd International Conference on Biodosimetry and
7th International Symposium on EPR Dosimetry and Applications
10-13 July 2006
Uniformed Services University of the Health Sciences (USUHS)
Bethesda, Maryland, USA



Thursday, 13 July 2006

| | Session | Speaker | Title | |
|-------|--|-------------|--|------|
| 8:30 | Session I: Fundamental Studies on EPR in Alanine | Dolo | Improvement in the fabrication process of alanine pellet: influence on the angular response and fading | I-1 |
| 8:45 | | Ciesielski | Dose dependence of sensitivity of alanine radicals to visible light | I-2 |
| 9:00 | | Garcia | Study of various radicals proportions in simulated alanine spectra | I-3 |
| 9:15 | | Chen | Small radiation fields dosimetry with L-alanine and 2 metilalanine K-Band EPR miniature dosimeters | I-4 |
| 9:30 | Session J: New Materials in EPR and Biological Dosimetry | Vanhaelewyn | A comparative EPR and DFT study on radiation-induced radicals in sugar compounds | J-1 |
| 9:45 | | Marrale | Improvement of sensitivity in ESR γ -dosimetry by gadolinium addition | J-2 |
| 10:00 | | Ferraz | EPR and TL dating of Dioptase (Chrysocolla) crystal | J-3 |
| 10:15 | | Hole | Lithium formate as a low-dose EPR radiation dosimeter | J-4 |
| 10:30 | Morning Break | | | |
| 10:45 | Session K: Emerging Technologies | Yukihara | The potential of Optically Stimulated Luminescence (OSL) of dental enamel for retrospective assessment of radiation exposure | K-1 |
| 11:00 | | Goans | Ultrasonic Analysis of Acute Thermal and Radiation Injury | K-2 |
| 11:15 | | Kuppusamy | New Probes for Environmental and Clinical Applications of EPR Spectroscopy | K-3 |
| 11:30 | | Timmins | EPR Imaging of Radiation Induced Defects in Teeth | K-4 |
| 11:45 | | Turteltaub | Technology Assessment and Roadmap for Emergency Radiation Dose Assessment | K-5 |
| 12:00 | Conference Wrap-Up | | | |
| 12:15 | | | | |
| 12:30 | Satellite Session: Kazakhstan Nuclear Sites Co-Chairs: M. Hoshi and V.F. Stepanenko | Stepanenko | The 1st Nuclear Test in the Former USSR of 29 August, 1949: Comparison of Individual Dose Estimates by ESR Retrospective Dosimetry with Calculation and Luminescence Retrospective Dosimetry Data for Dolon' Village, Kazakhstan | P-34 |
| 12:45 | | Zhumadilov | Results of tooth enamel EPR dosimetry for population living in the vicinity of the Semipalatinsk Nuclear Test Site | P-35 |
| 13:00 | | Sholom | EPR tooth dosimetry of Semipalatinsk area inhabitants | P-33 |
| 13:15 | | Hoshi | Interlaboratory comparison on Tooth Enamel Dosimetry on Semipalatinsk Region: Part 1, General View | C-1 |
| 13:30 | | Kuterbekov | EPR Investigation of Radiation Situation in Vicinity of Tailing Pool Koshkar-Ata | P-27 |
| 13:45 | | Pivovarov | EPR and γ -spectrometric researches of bottom sediments and soils in Syr-Darya uranium-ore province | P-31 |
| 14:00 | | Pivovarov | Exposure Subpopulations and Characteristics of the Individual Dose Distribution Among Inhabitants of the Semipalatinsk Region | P-32 |
| 14:15 | | Wieser | Inter-laboratory comparison of EPR dosimetry with tooth enamel in the SOUL project | F-1 |
| 14:30 | | Toyoda | ESR Dosimetry and ^{90}Sr Distribution, Detected by Imaging Plates, of Cow Teeth from Southern Urals | P-9 |
| 14:45 | Close Satellite Session | | | |